

CLAIMS:

1. A cutter apparatus, comprising
a rotary cutter having an axis of rotation and an outer peripheral, rim surface;
a cutter array having at least one cutter die located on said rim surface, said cutter die
having a die perimeter and a die height;
a resilient, primary insert which is joined to said rotary cutter and is located within said die
perimeter and operatively adjacent to said die perimeter, said primary insert having
a primary-insert perimeter and an operatively high resistance to deformation.
2. A cutter apparatus as recited in claim 1, further including an anvil which is configured
to cooperate with said rotary cutter component to provide a cutting region in a region
between said rotary cutter and said anvil.
3. A cutter apparatus as recited in claim 1, wherein said primary insert has a
substantially annular configuration.
4. A cutter apparatus as recited in claim 1, wherein said primary insert has a primary-
insert height which is less than said die height.
5. A cutter apparatus as recited in claim 1, wherein said primary insert includes a
material having a resilient Compression Deflection, at 10% deflection, which is at least
about 69 KPa.
6. A cutter apparatus as recited in claim 1, wherein said primary die insert includes a
material having a resilient Compression Deflection, at 10% deflection, which is at least
about 207 KPa.
7. A cutter apparatus as recited in claim 1, further including a supplemental insert which
is located within said primary-insert perimeter, wherein
said primary-insert has a primary-insert height;
said supplemental insert has a relatively lower resistance to deformation, as compared to
said primary insert, and
said supplemental-insert has a supplemental-insert height which is relatively higher than
said primary-insert height.

8. A cutter apparatus as recited in claim 1, wherein said rotary cutter is configured to provide a rotary-cutter surface speed of at least about 195 cm/sec.
9. A cutter apparatus as recited in claim 1, wherein said primary insert has been configured to provide a pressure that is sufficient to provide an operative perimeter bond during the operation of said cutting method.
10. A cutter apparatus as recited in claim 1, further including an adhesive applicator which deposits a pattern of adhesive to join a plurality of individual absorbent members between a first component layer and a substrate layer with said absorbent members positioned at spaced-apart locations along a longitudinal direction; said pattern of adhesive distributed at least along a portion of a bonding region, and distributed between said first component layer and said substrate layer.
11. A cutting method, comprising
cutting an article web with a rotary cutter;
wherein
said rotary cutter includes an axis of rotation and an outer peripheral, rim surface;
a cutter array has been located on said rim surface, said cutter array having at least one
cutter die, and said cutter die having a die perimeter and a die height;
a resilient, primary insert has been joined to said rotary cutter and has been located within
said die perimeter and operatively adjacent to said die perimeter, said primary insert
having an operatively high resistance to deformation.
12. A method as recited in claim 11, wherein said primary die insert has primary insert
has a substantially annular configuration.
13. A method as recited in claim 11, wherein said primary insert provides a resilient
Compression Deflection, at 10% deflection, which is at least about 69 KPa.
14. A method as recited in claim 11, wherein said primary insert provides a resilient
Compression Deflection, at 10% deflection, which is at least about 207 KPa.
15. A method as recited in claim 11, wherein said article web has included a relatively
low-toughness, second component layer which extends substantially continuously along a
longitudinal direction of said cutting method.

16. A method as recited in claim 15, wherein said second component layer has a tensile strength of not more than about 26 N/cm.

17. A method as recited in claim 15, wherein said article web has further included a substrate layer; and
a plurality of individual absorbent members which have been positioned at spaced-apart locations along said longitudinal direction, and have been sandwiched between said first component layer and said substrate layer.

18. A method as recited in claim 17, wherein said article web further includes a first component layer, and
a pattern of adhesive that has been distributed at least along a portion of a bonding region of the article web, and between said first component layer and said substrate layer.

19. A method as recited in claim 18, wherein said resilient, primary insert has been configured to provide for a perimeter bond along at least a portion of a perimeter region of at least one of said absorbent members during said cutting of the article web with the rotary cutter.

20. A method as recited in claim 17, wherein said primary insert has been configured to provide a pressure that is sufficient to provide an operative perimeter bond during the operation of said cutting method.

21. A method as recited in claim 11, wherein said rotary cutter has provided a rotary-cutter surface speed of at least about 195 cm/sec.

22. A method as recited in claim 11, wherein
a supplemental insert which has been located within a primary-insert perimeter;
said primary-insert has been provided with a primary-insert height;
said supplemental insert has been provided with a relatively lower resistance to deformation, as compared to said primary insert; and
said supplemental-insert has a supplemental-insert height which is relatively higher than said primary-insert height.